

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010768.D
 Acq On : 10 Jul 2019 11:42
 Operator : JC/SP
 Sample : K3733-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01-190709

Quant Time: Jul 11 01:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	339643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135354	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	108554	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
35) Dibromofluoromethane	5.49	113	104517	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	8.71	98	402230	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	131340	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	

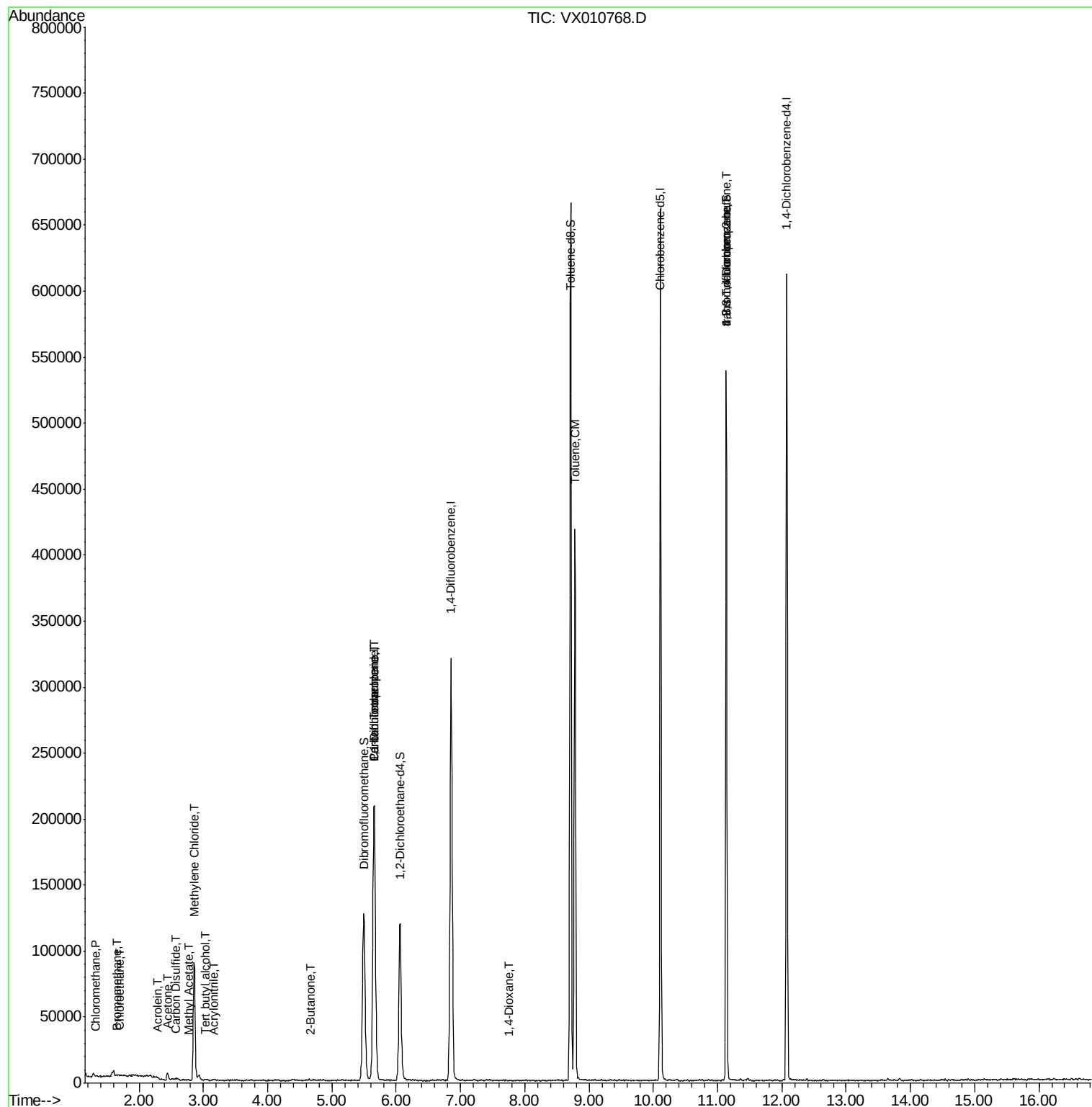
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	403	0.227	ug/l #	85
5) Bromomethane	1.66	94	680	0.719	ug/l	91
6) Chloroethane	1.70	64	346	0.302	ug/l #	87
11) Tert butyl alcohol	3.03	59	660	1.229	ug/l #	94
13) Acrolein	2.29	56	161	0.452	ug/l #	1
15) Acrylonitrile	3.15	53	338	0.318	ug/l #	45
16) Acetone	2.44	43	6049	5.880	ug/l	96
17) Carbon Disulfide	2.57	76	1020	0.200	ug/l #	81
18) Methyl Acetate	2.78	43	555	0.271	ug/l #	81
20) Methylene Chloride	2.85	84	45210	21.355	ug/l	98
25) 2-Butanone	4.68	43	439	0.291	ug/l #	46
36) 1,1-Dichloropropene	5.66	75	14056	5.208	ug/l #	48
38) Carbon Tetrachloride	5.66	117	19697	6.739	ug/l #	15
49) 1,4-Dioxane	7.76	88	24	0.390	ug/l #	1
52) Toluene	8.78	92	156550	28.271	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	63805	25.869	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	63805	60.349	ug/l #	16

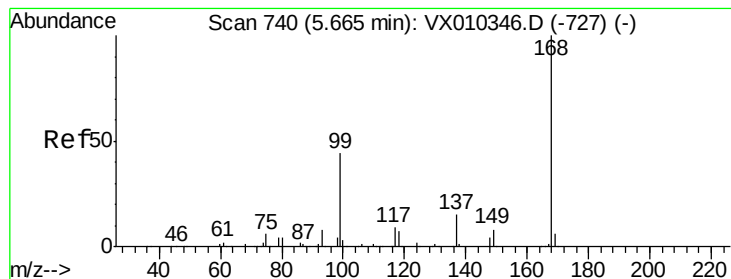
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

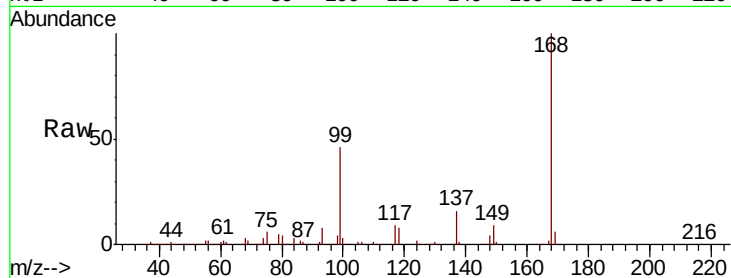
EB-01-190709

Tot Ion:168 Resp: 218930

Ion Ratio Lower Upper

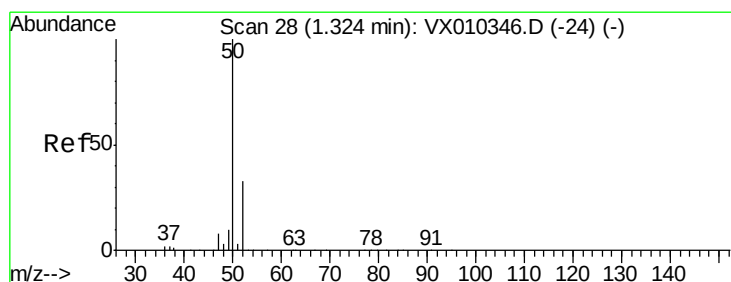
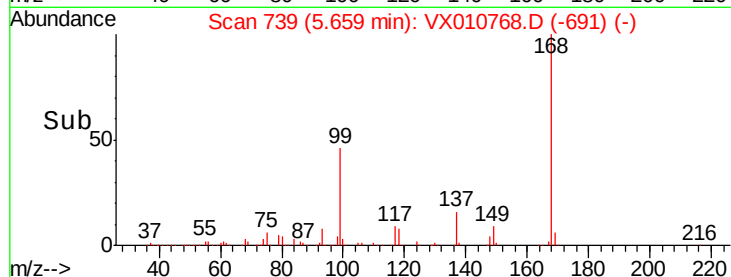
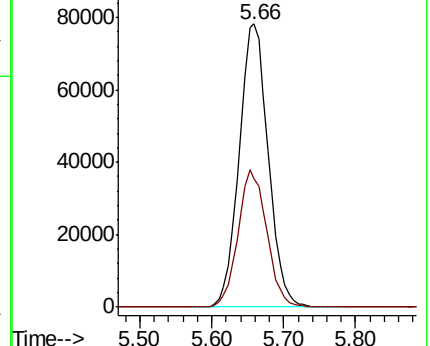
168 100

99 45.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010768.D

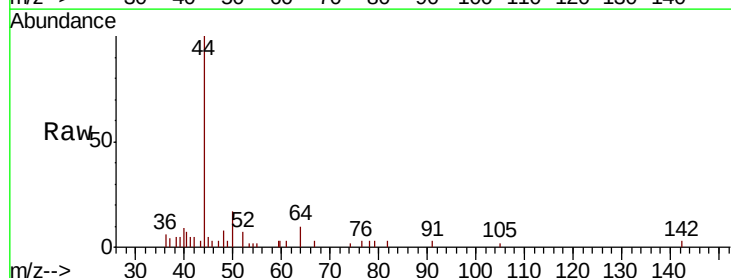
Acq: 10 Jul 2019 11:42

Tgt Ion: 50 Resp: 403

Ion Ratio Lower Upper

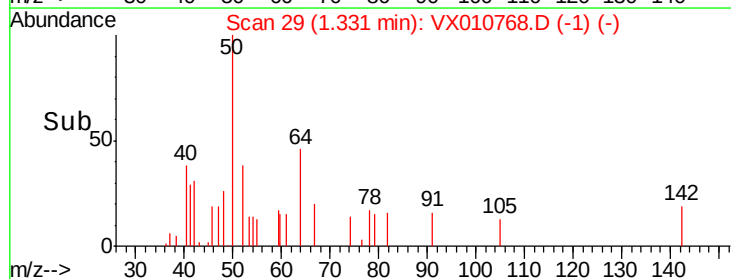
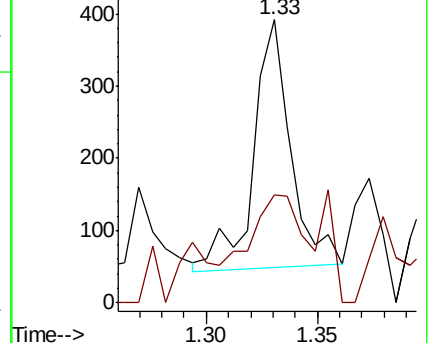
50 100

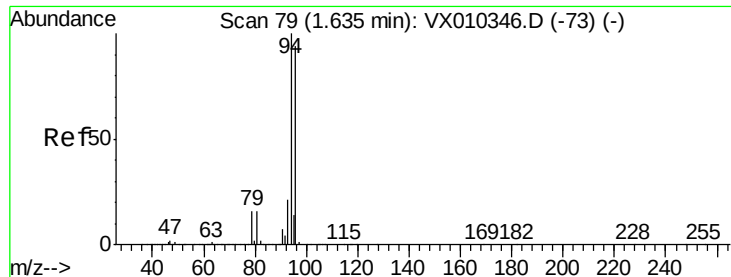
52 24.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.719 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

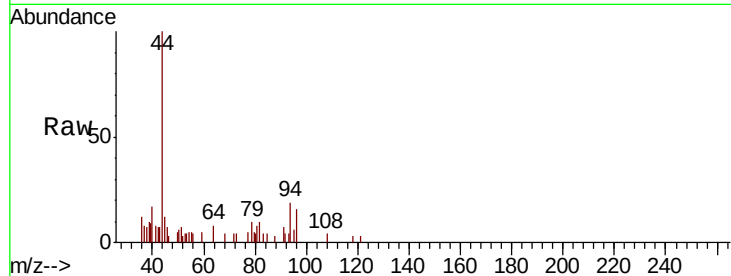
EB-01-190709

Tot Ion: 94 Resp: 680

Ion Ratio Lower Upper

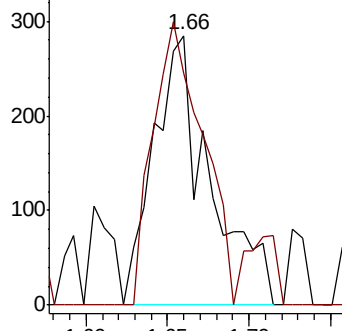
94 100

96 86.0 75.5 113.3

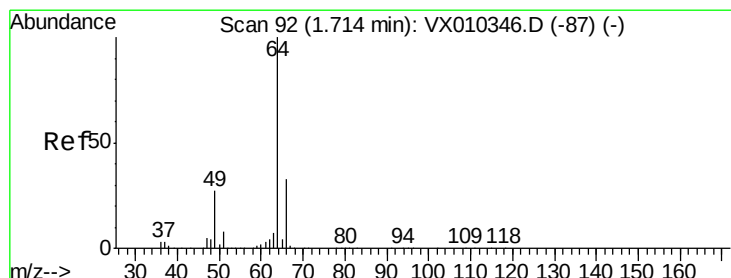
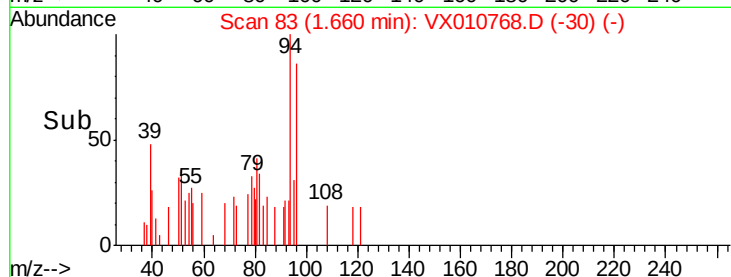


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.302 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010768.D

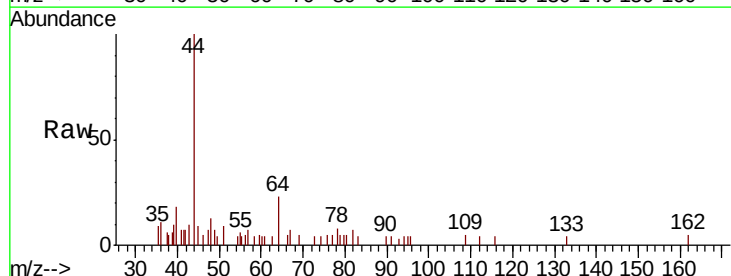
Acq: 10 Jul 2019 11:42

Tgt Ion: 64 Resp: 346

Ion Ratio Lower Upper

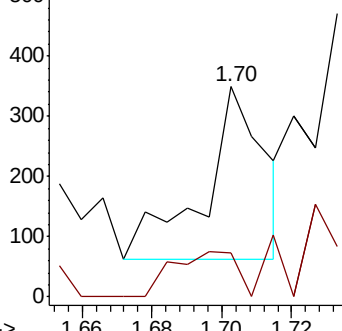
64 100

66 25.9 26.6 40.0#

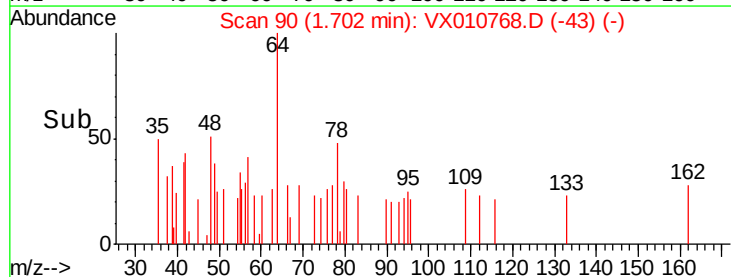


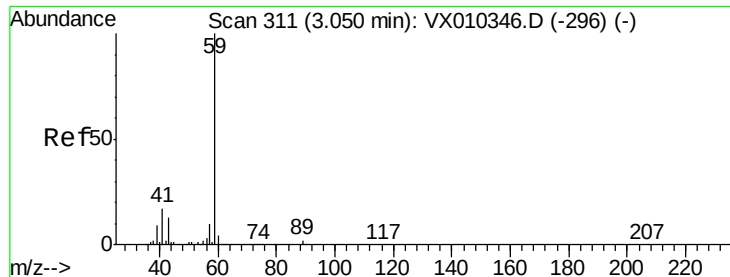
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#11

Tert butyl alcohol

Concen: 1.229 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

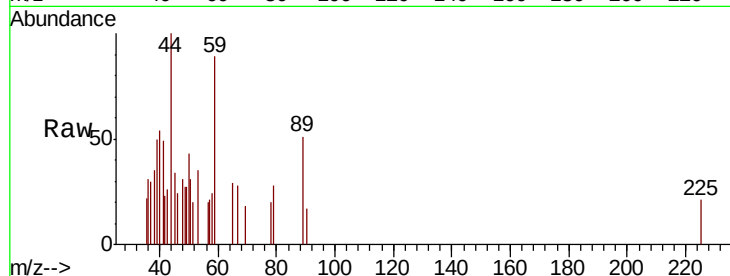
EB-01-190709

Tot Ion: 59 Resp: 660

Ion Ratio Lower Upper

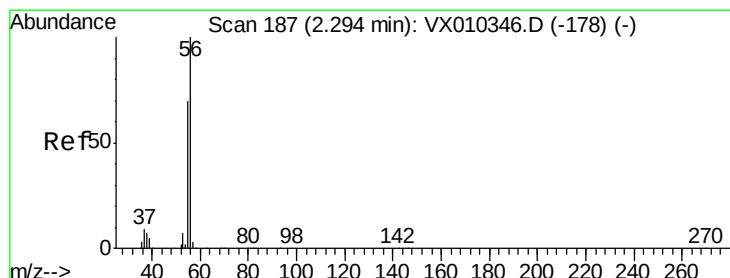
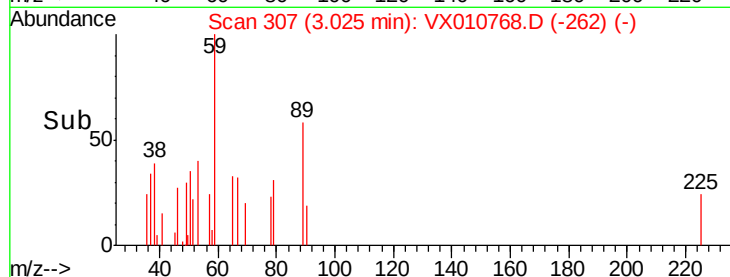
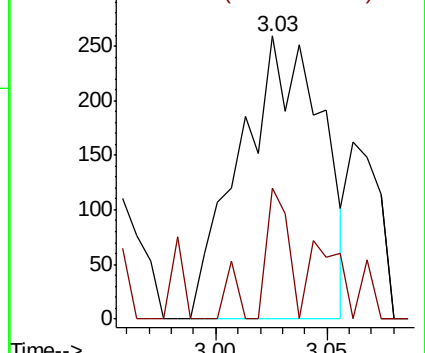
59 100

57 12.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.452 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010768.D

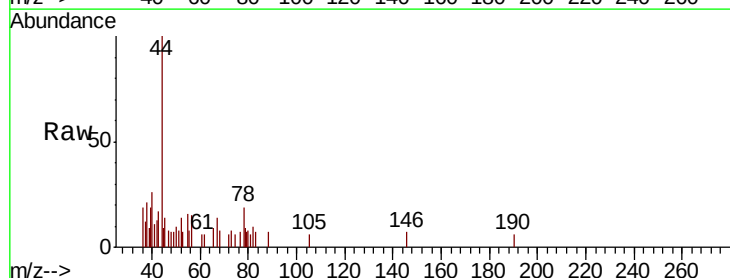
Acq: 10 Jul 2019 11:42

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

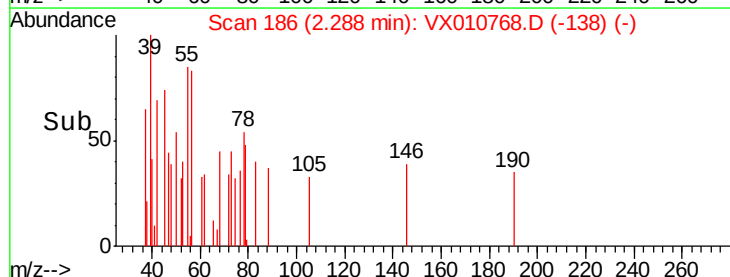
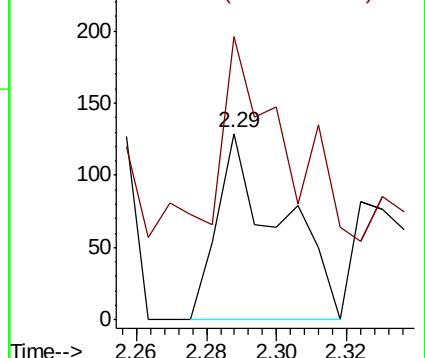
56 100

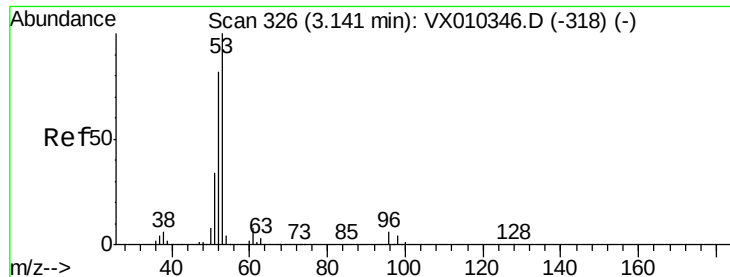
55 200.6 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.318 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

EB-01-190709

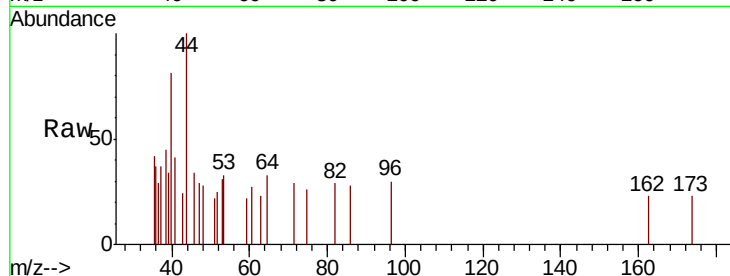
Tot Ion: 53 Resp: 338

Ion Ratio Lower Upper

53 100

52 34.6 65.5 98.3#

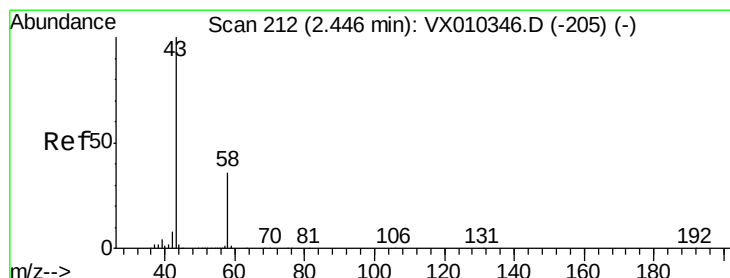
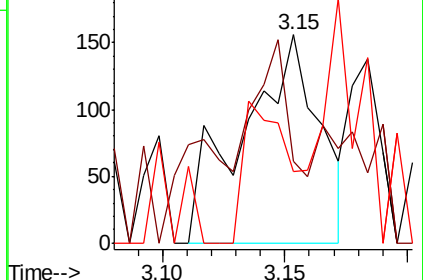
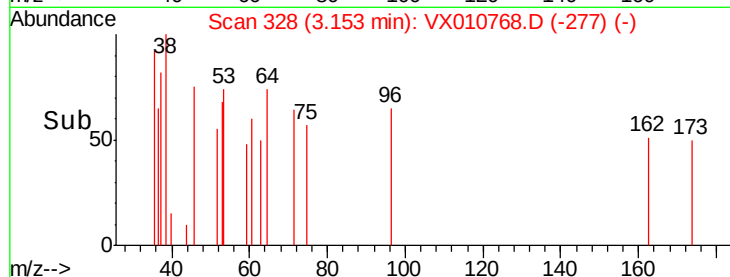
51 0.0 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 5.880 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010768.D

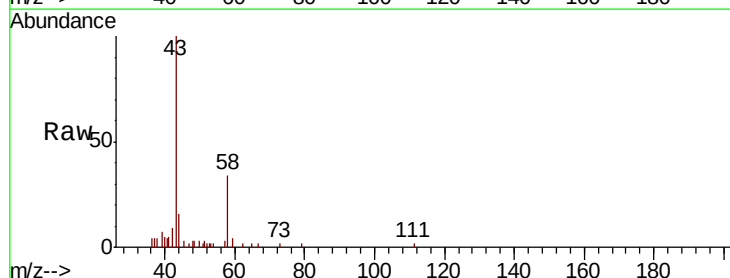
Acq: 10 Jul 2019 11:42

Tgt Ion: 43 Resp: 6049

Ion Ratio Lower Upper

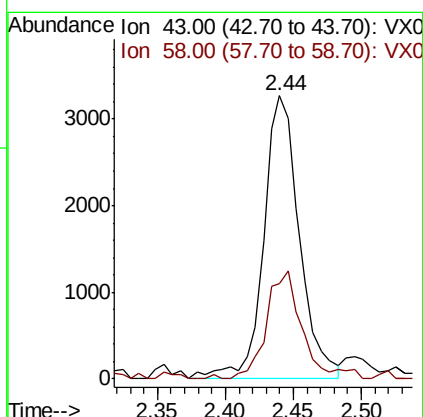
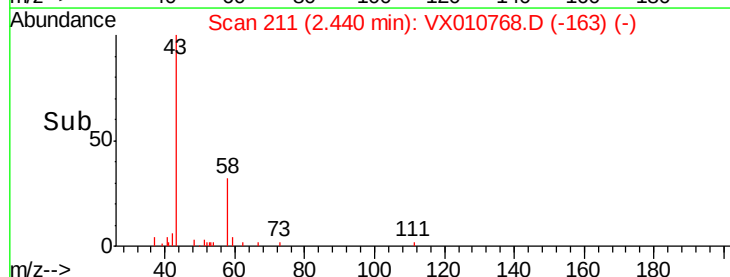
43 100

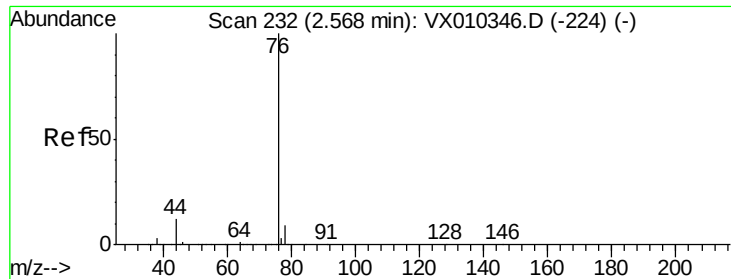
58 33.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.200 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

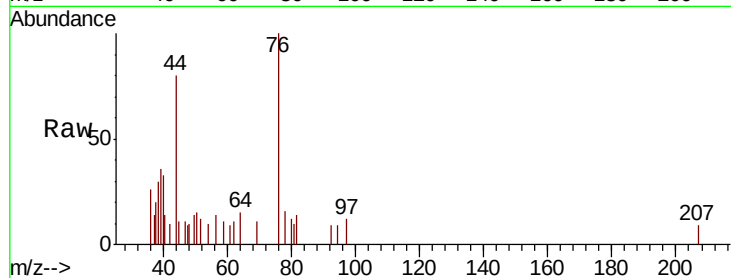
EB-01-190709

Tot Ion: 76 Resp: 1020

Ion Ratio Lower Upper

76 100

78 15.9 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

400

200

0

Time--> 2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.85

3.90

3.95

4.00

4.05

4.10

4.15

4.20

4.25

4.30

4.35

4.40

4.45

4.50

4.55

4.60

4.65

4.70

4.75

4.80

4.85

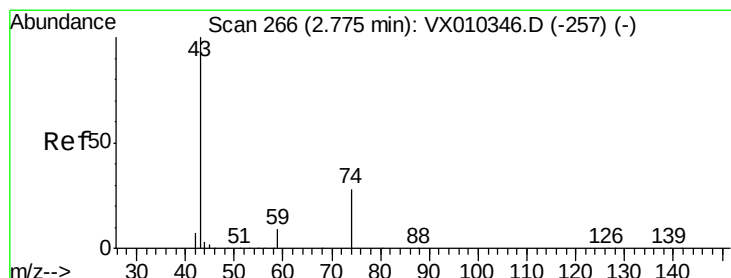
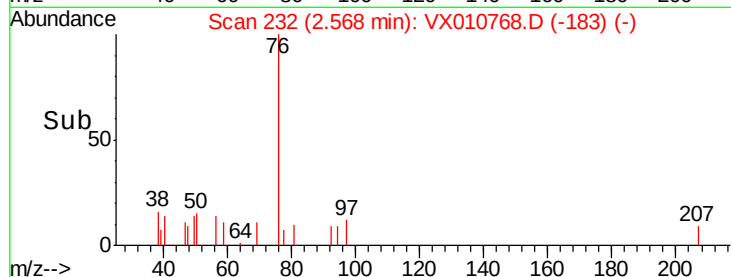
4.90

4.95

5.00

5.05

5.10



#18

Methyl Acetate

Concen: 0.271 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010768.D

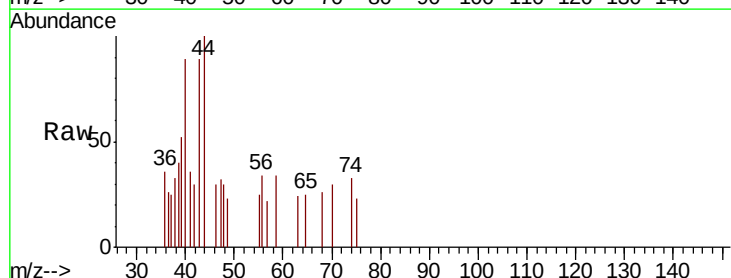
Acq: 10 Jul 2019 11:42

Tgt Ion: 43 Resp: 555

Ion Ratio Lower Upper

43 100

74 16.9 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250

200

150

100

50

0

Time--> 2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

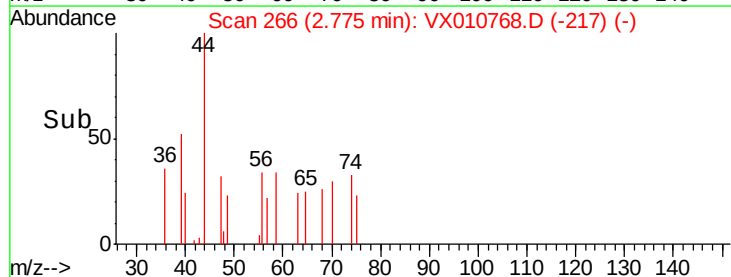
3.50

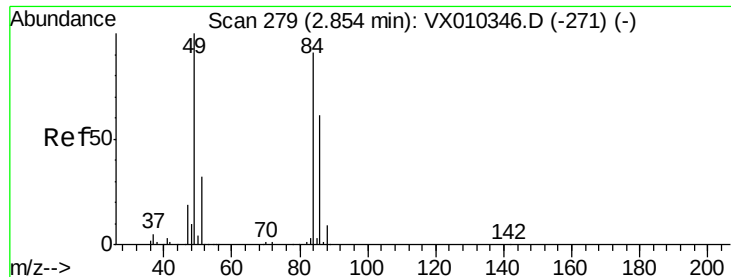
3.55

3.60

3.65

3.70

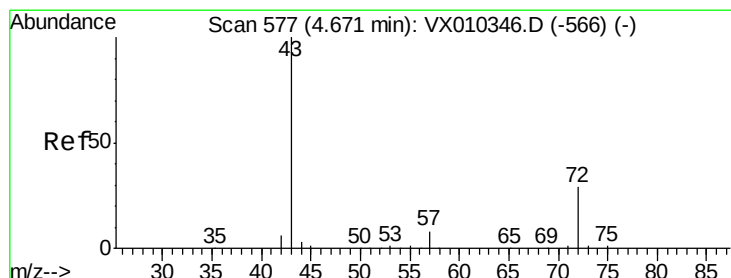
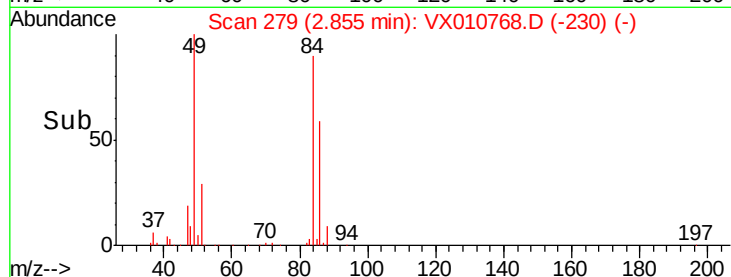
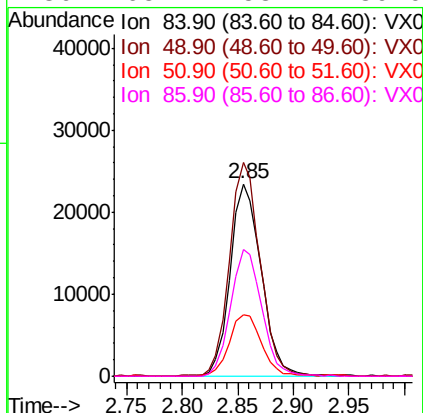
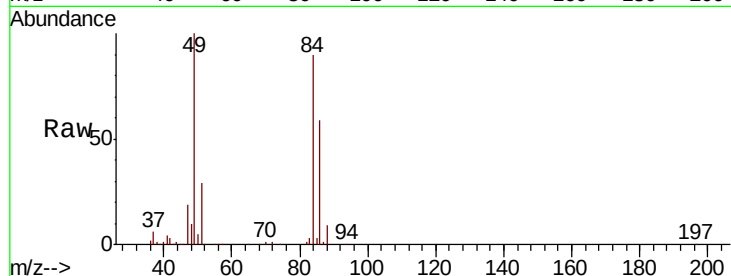




#20
Methvlene Chloride
Concen: 21.355 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010768.D
Acq: 10 Jul 2019 11:42

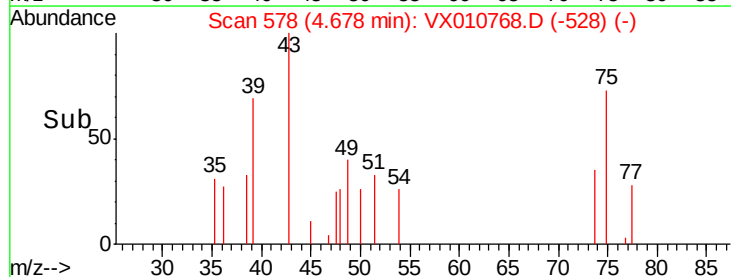
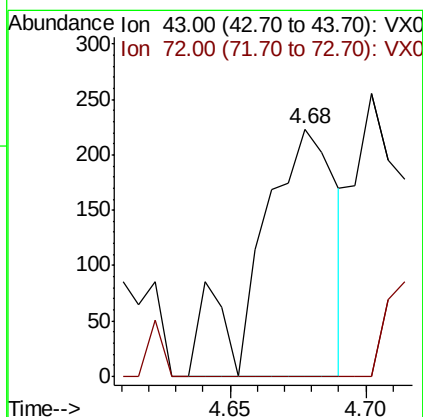
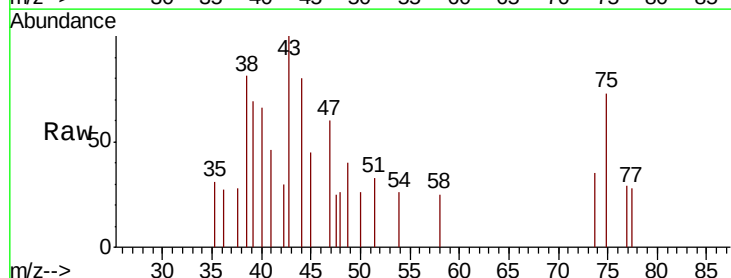
Instrument :
MSVOA_X
ClientSampleId :
EB-01-190709

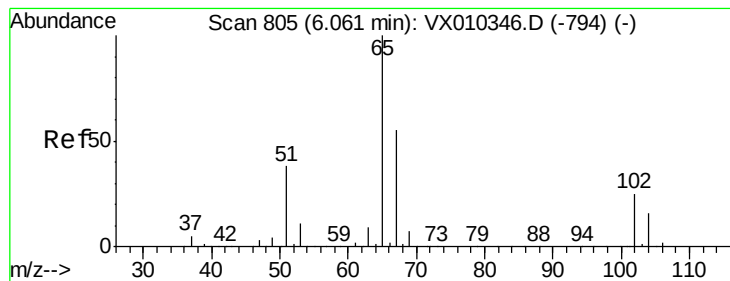
Tot Ion: 84 Resp: 45210
Ion Ratio Lower Upper
84 100
49 110.7 87.5 131.3
51 31.7 27.7 41.5
86 65.7 53.4 80.0



#25
2-Butanone
Concen: 0.291 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX010768.D
Acq: 10 Jul 2019 11:42

Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#





#33

1,2-Dichloroethane-d4

Concen: 52.884 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

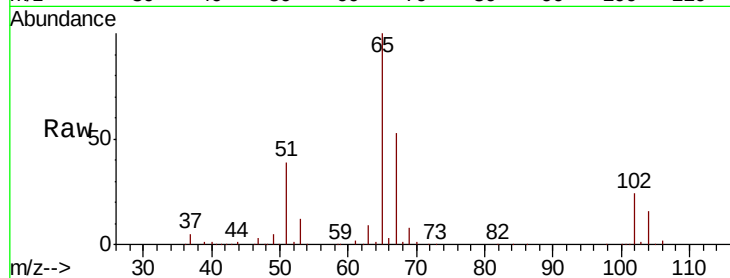
EB-01-190709

Tot Ion: 65 Resp: 108554

Ion Ratio Lower Upper

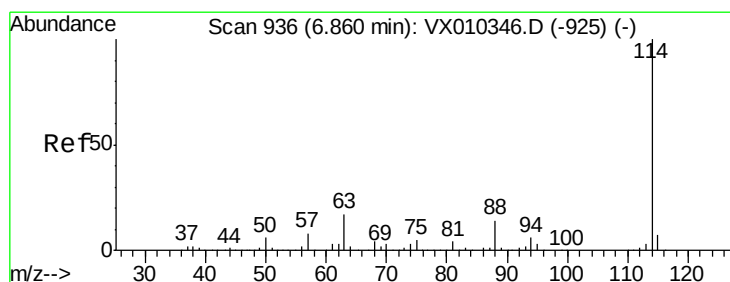
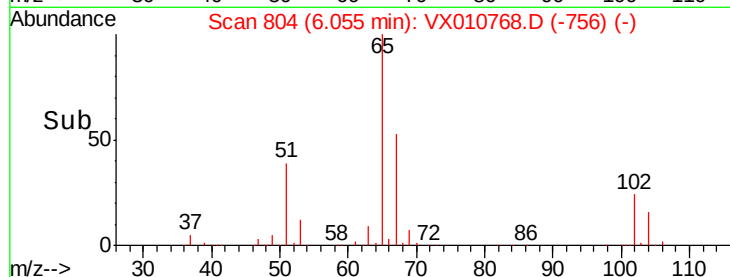
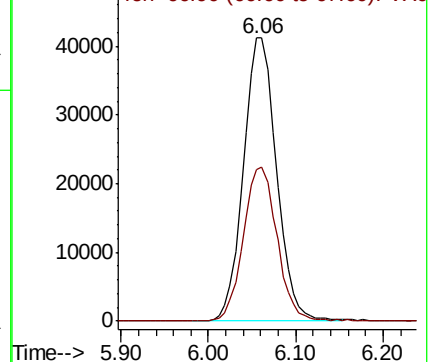
65 100

67 55.3 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

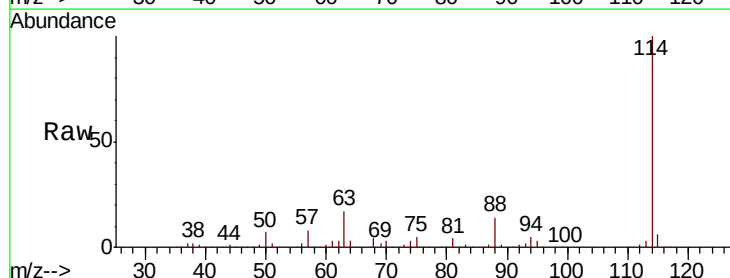
Tgt Ion: 114 Resp: 339643

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

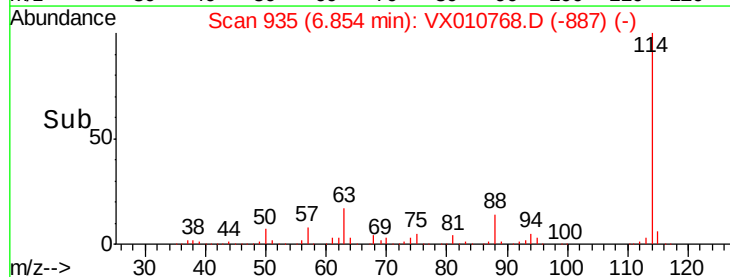
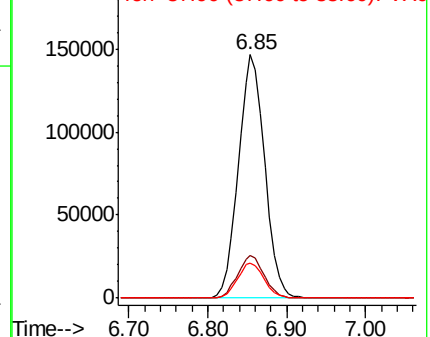
88 14.3 0.0 27.6

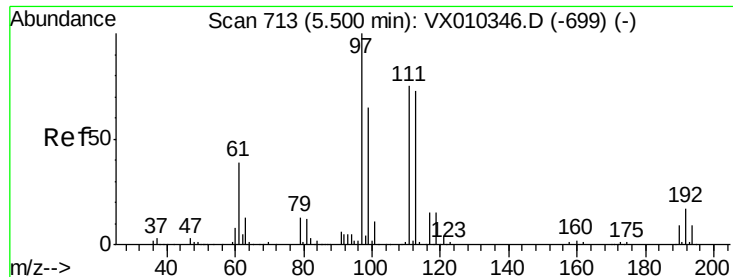


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

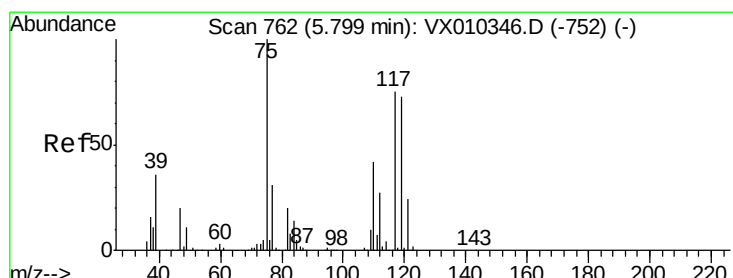
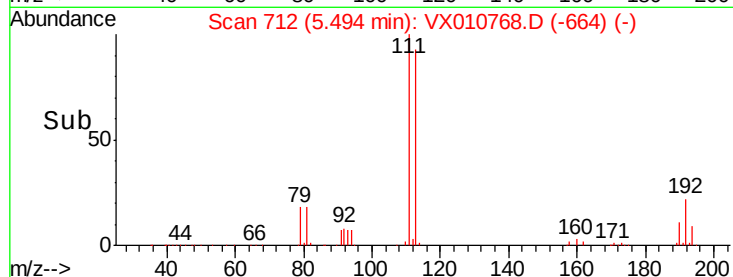
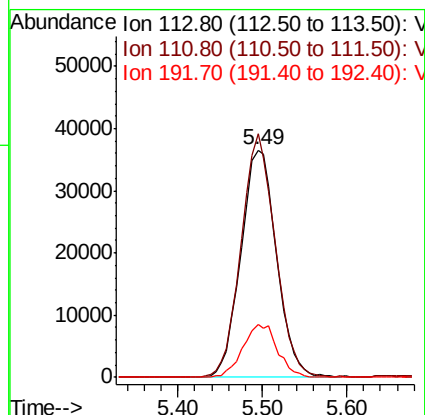
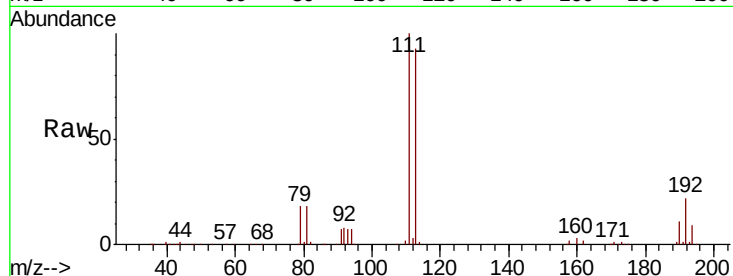




#35
 Dibromofluoromethane
 Concen: 50.295 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010768.D
 Acq: 10 Jul 2019 11:42

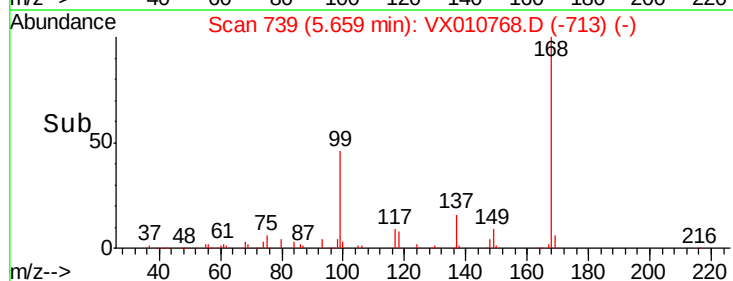
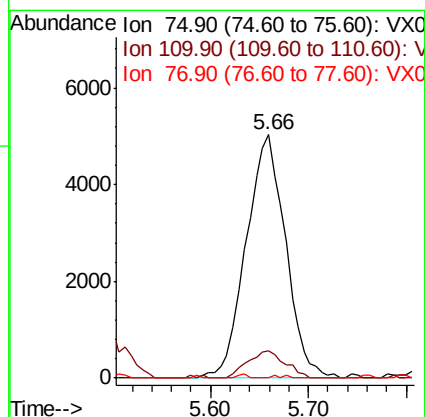
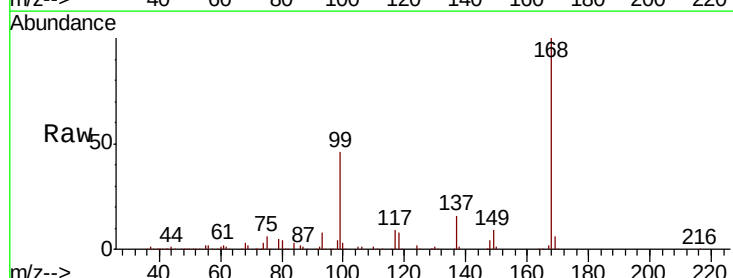
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01-190709

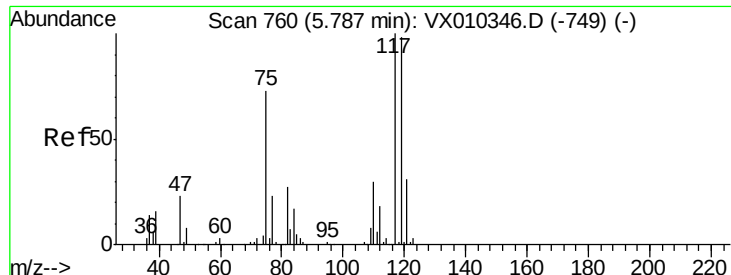
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.2	121.8
192	22.8	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.208 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010768.D
 Acq: 10 Jul 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.8	62.2#
77	0.3	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.739 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

EB-01-190709

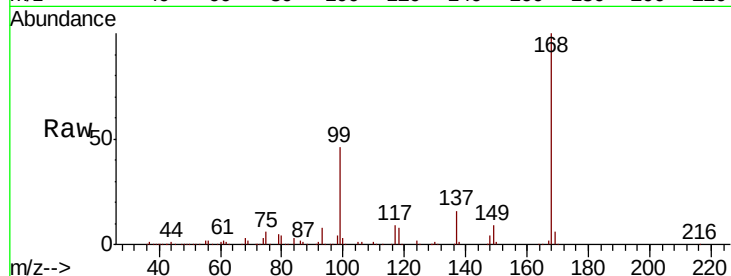
Tot Ion:117 Resp: 19697

Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.4#

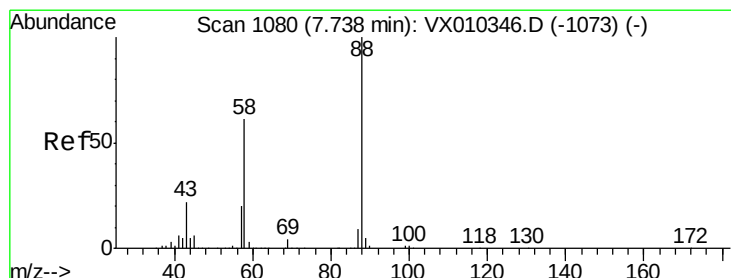
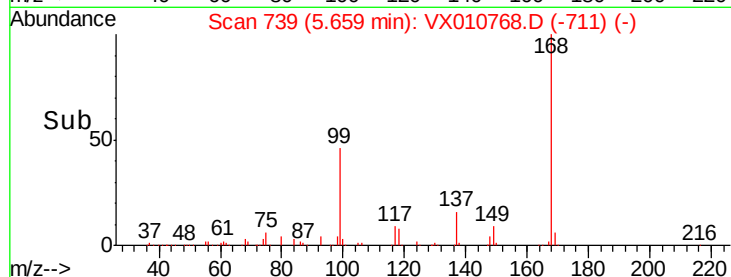
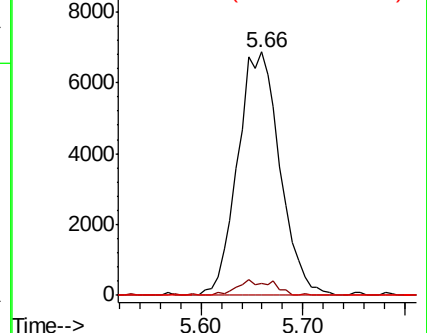
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.390 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

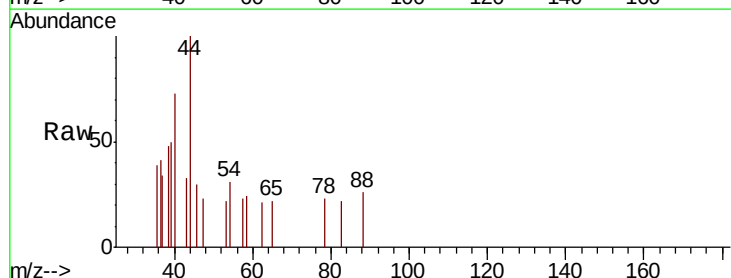
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

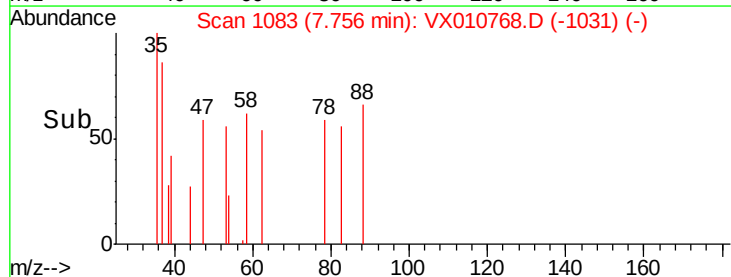
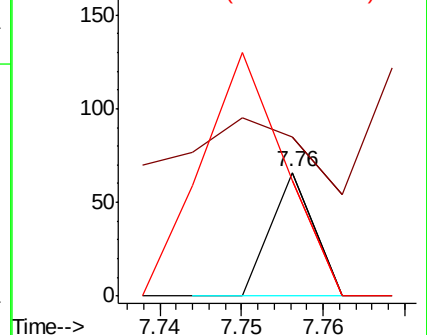
58 383.3 49.5 74.3#

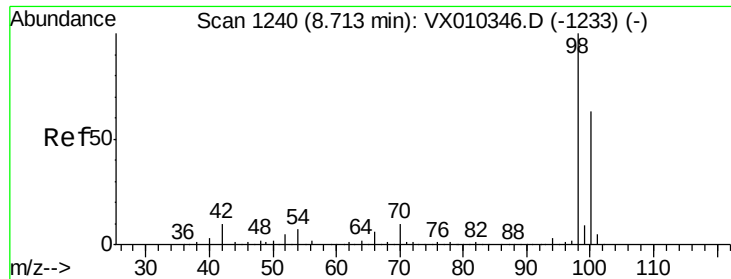


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

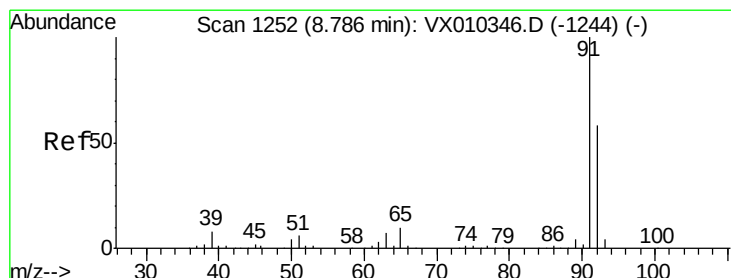
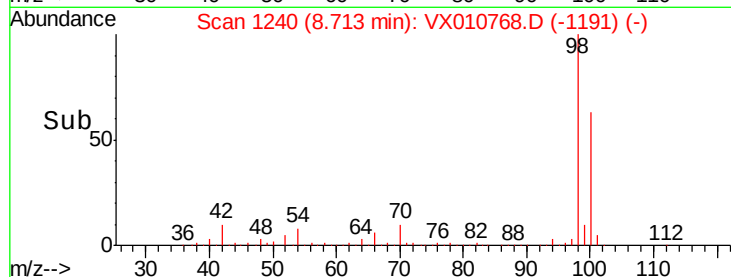
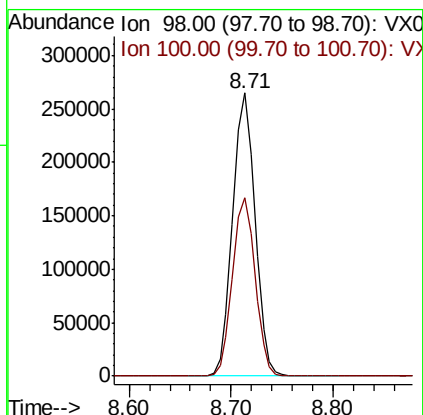
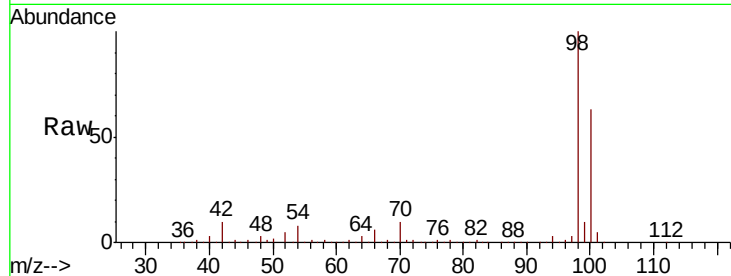




#50
Toluene-d8
Concen: 50.593 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010768.D
Acq: 10 Jul 2019 11:42

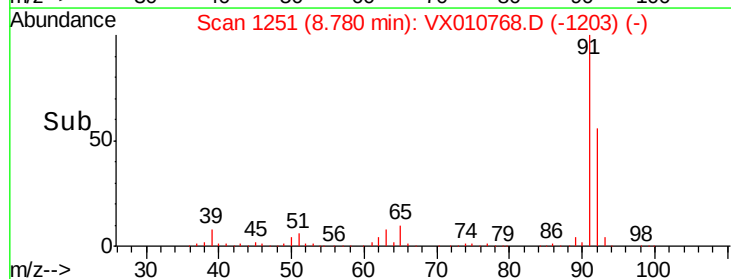
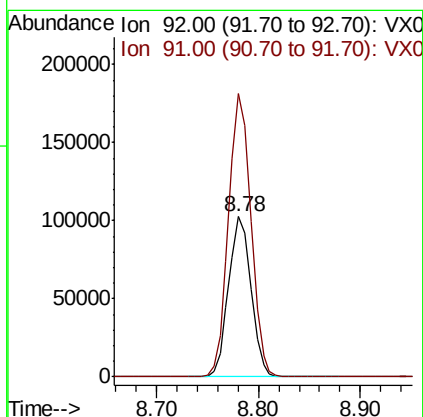
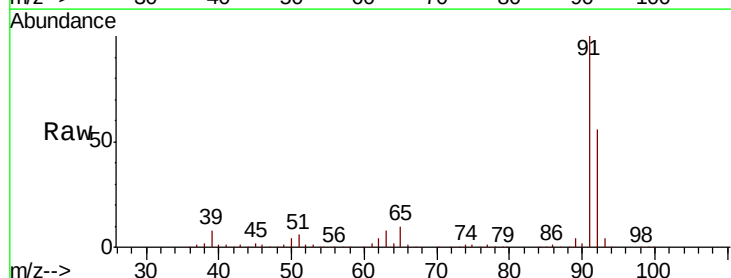
Instrument :
MSVOA_X
ClientSampleId :
EB-01-190709

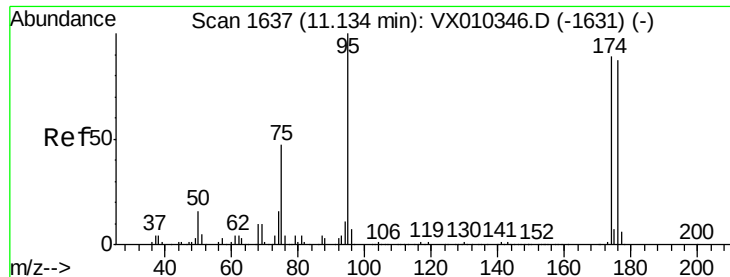
Tot Ion: 98 Resp: 402230
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#52
Toluene
Concen: 28.271 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010768.D
Acq: 10 Jul 2019 11:42

Tgt Ion: 92 Resp: 156550
Ion Ratio Lower Upper
92 100
91 176.3 139.8 209.6

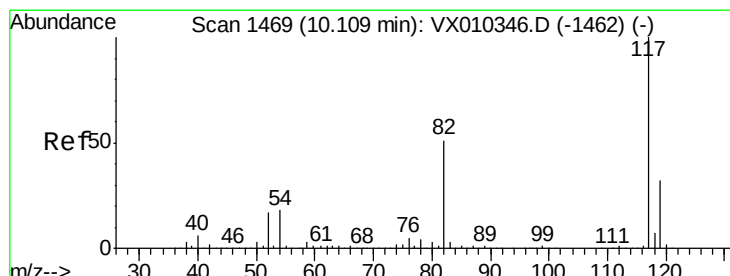
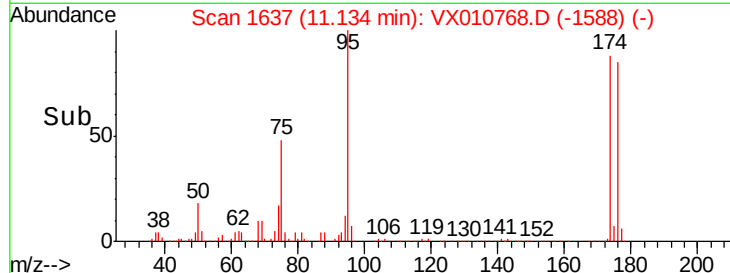
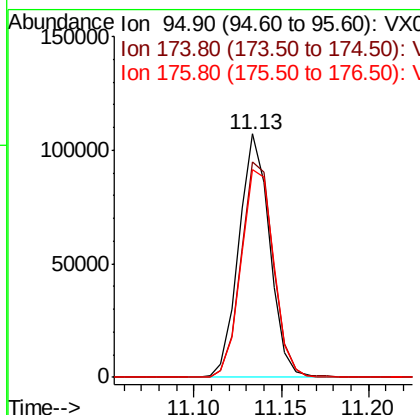
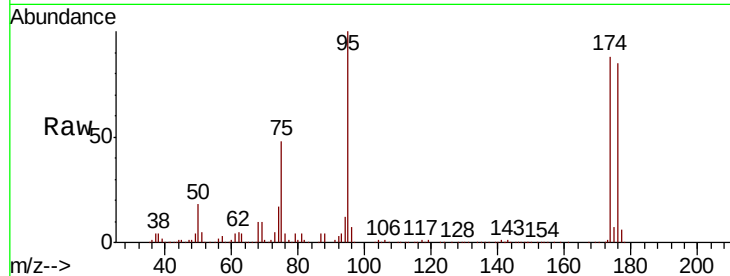




#62
4-Bromofluorobenzene
Concen: 45.759 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010768.D
Acq: 10 Jul 2019 11:42

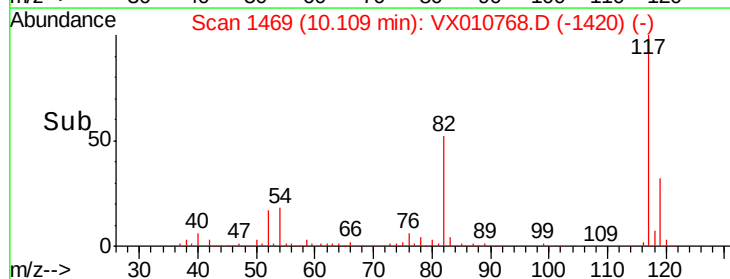
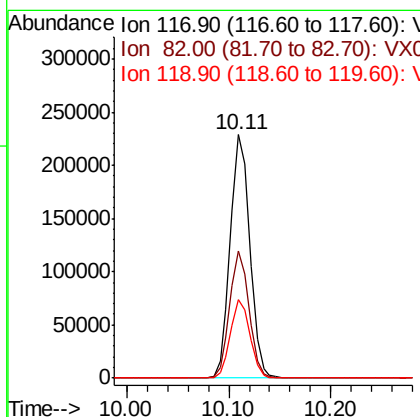
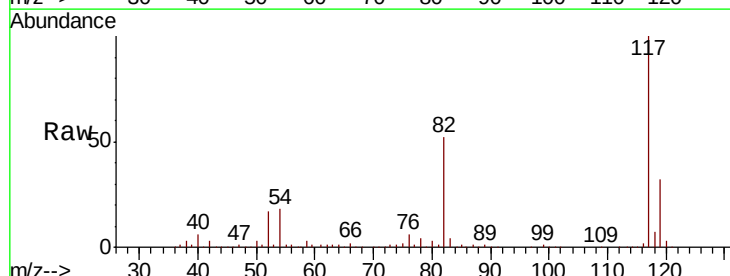
Instrument :
MSVOA_X
ClientSampled :
EB-01-190709

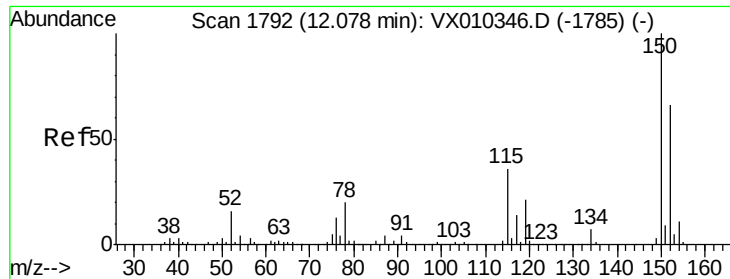
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	187.6
176	90.5	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010768.D
Acq: 10 Jul 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.2	61.8
119	32.5	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

EB-01-190709

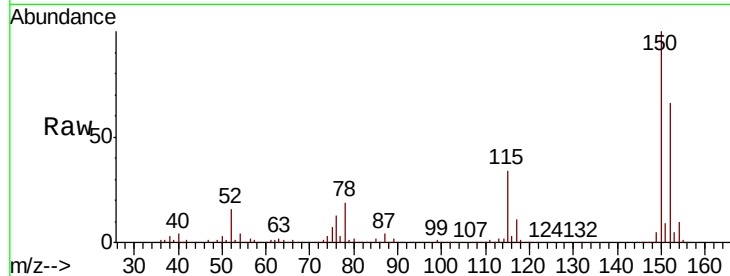
Tot Ion:152 Resp: 135354

Ion Ratio Lower Upper

152 100

115 54.9 38.6 115.7

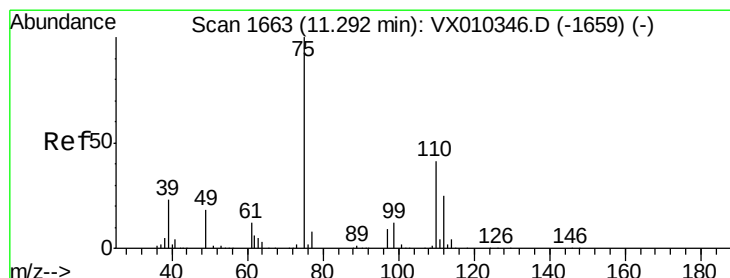
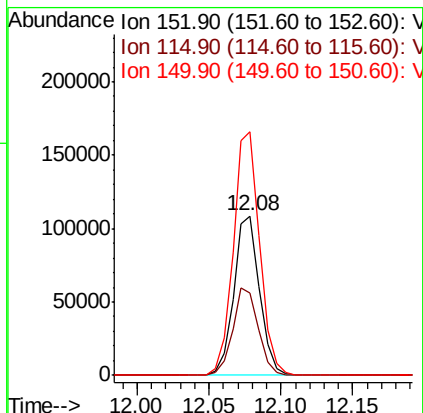
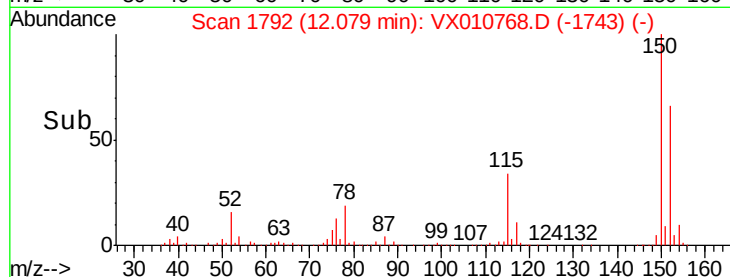
150 156.3 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.869 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010768.D

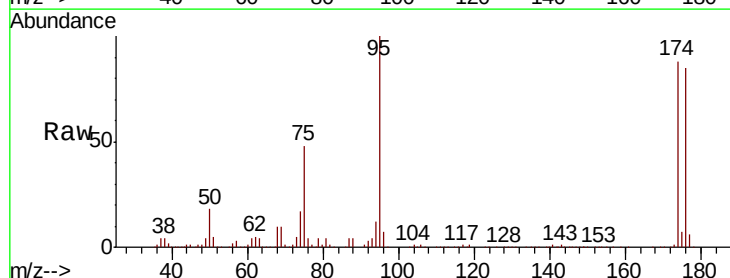
Acq: 10 Jul 2019 11:42

Tgt Ion: 75 Resp: 63805

Ion Ratio Lower Upper

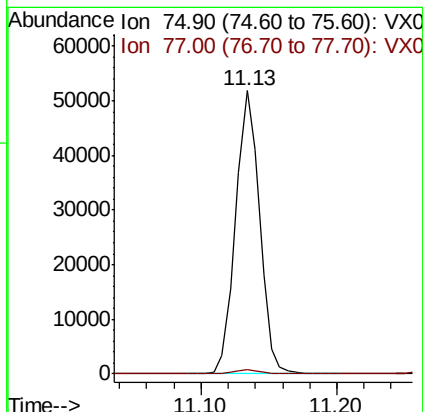
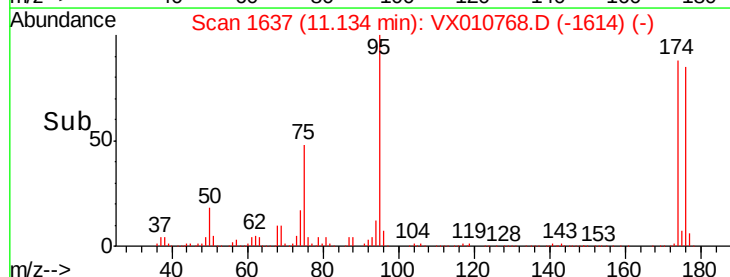
75 100

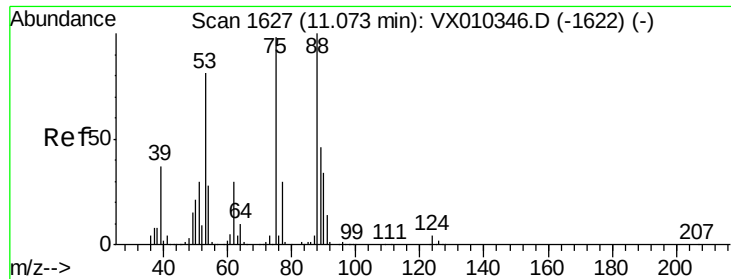
77 1.6 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010768.D

Acq: 10 Jul 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

EB-01-190709

Tot Ion: 75 Resp: 63805

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

